Radar Warning Receiver ■ ELL-8264 RWR

General

The ELL-8264 is an advanced Radar Warning Receiver (RWR) System designed to alert upon detection and identification of weapon systems radars and in supporting the reaction process.

The ELL-8264 RWR is an element of the Self Protection Suite (SPS) that enhances the survivability of Fighter aircraft, Transport, VIP and Mission aircraft, Helicopters and UAVs operating in areas protected by radar-guided weapon systems.

The ELL-8264 RWR system is integrated with the aircraft avionics and other EW systems onboard, creating a comprehensive Self Protection Suite.

Featuring Wide-Band Antennas, an advanced Multi-Channel Digital Receiver and a powerful Processor, the RWR automatically detects, measures, classifies and identifies all Radar emitters, warning the crew of threats and displaying their direction on the aircraft cockpit's Tactical Situation Display (TSD).

The system incorporates a modern architecture and advanced technologies, based on ELTA Systems' proven experience of more than 40 years in the design, development and manufacture of EW systems.

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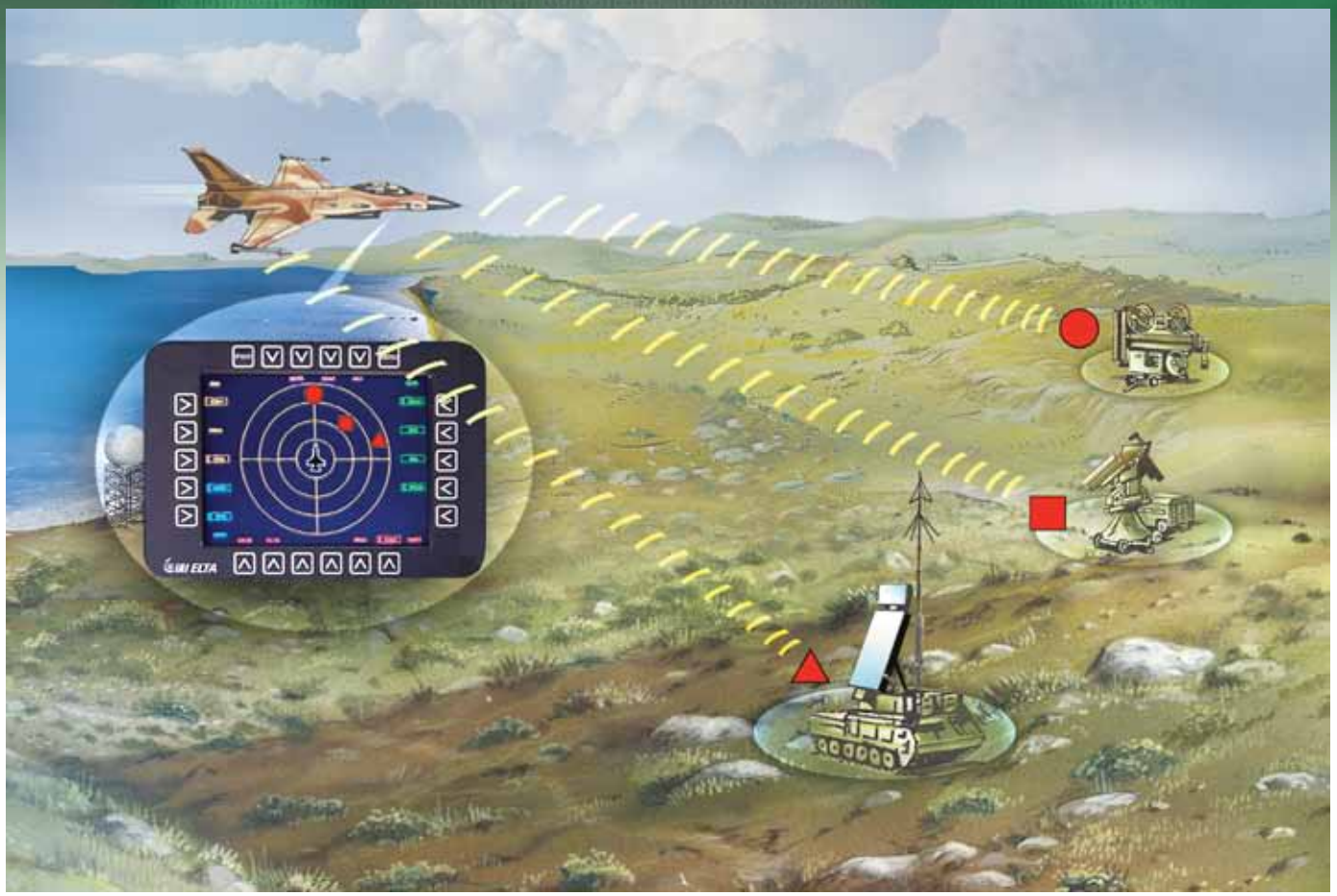

Features

- Wide frequency coverage
- Spatial coverage: 360°
- Simple antenna configuration
- No calibration required for Direction Measurements
- Autonomous handling of radar threat environment by employing Multi-Channel Digital Receiver
- High Sensitivity for improved Detection Range
- High Probability of Interception
- Fast and Reliable Identification Process
- Automatic threat detection, identification with low pilot workload
- Field Loading capability
- Down Loading capability for Debriefing and Maintenance
- Low LCC (Life Cycle Cost), easy maintenance, high reliability, simple ILS requirements
- Enhanced and user-friendly operational tools:
  - Easy-to-read Tactical Display
  - Easy-to-program, fast-loading User Data File Generator (UDFG)
  - Full mission events and data recording
  - Mission Debriefing using PC-based, mission event, replay tool
- Growth Potential to provide Electronoic Support Measures (ESM)

Physical Dimensions and Weight:

- Receiver Processing Unit:
  218mm x 180mm x 325mm - 10.50 Kg
- Omni Antenna:
  Ø 90mm x 64mm - 0.19 Kg
- Front End Amplifier:
  36mm x 70mm x 173mm - 0.25 Kg

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